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2  |                8802-3/802.3 REVISION REQUEST                |
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4  DATE: 07/10/2016
5  NAME: Lennart Yseboodt
6  COMPANY/AFFILIATION: Philips Lighting / Philips Lighting
7  E-MAIL: lennart.yseboodt@philips.com
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9  REQUESTED REVISION: P802.3bt
10 STANDARD: 802.3-2015
11 CLAUSE NUMBER: 33
12 CLAUSE TITLE: Data Terminal Equipment (DTE) Power via Media
13                 Dependent Interface (MDI)
14 PROPOSED REVISION TEXT:
15 This MR pertains to 33.3.7.9 on Backfeed voltage.
16 Replace the text in 33.3.7.9 as follows:
17
18 "When any voltage in the range of 0V to VPort_PD max is applied across
19 the PI at either polarity specified on the conductors for Mode A
20 according to Table 33-13, the voltage measured across the PI for Mode B
21 with a 100 kOhm load resistor connected across Mode B shall not exceed
22 Vbfd max as specified in Table 33-18.
23 When any voltage in the range of 0V to VPort_PD max is applied across the
24 PI at either polarity specified on the conductors for Mode B according to
25 Table 33-13, the voltage measured across the PI for Mode A with a 100
26 kOhm load resistor connected across Mode A shall not exceed Vbfd max."
27
28 RATIONALE FOR REVISION:
29 The existing text in 33.3.7.9 says "When VPort_PD max is applied
30 across the PI...". VPort_PD max is a single voltage point of
31 57.0V. This has the effect of invalidating the requirement.
32 The intent of this requirement was to not backfeed at any voltage
33 from 0V to 57V. In addition the existing text is not 100% clear on where
34 the 100K load resistor is to be placed.
35
36 IMPACT ON EXISTING NETWORKS:
37 None.
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41 |Please attach supporting material, if any                       |
42 |Submit to:-   David Law, Chair IEEE 802.3                     |
43 |and copy:-    Adam Healey, Vice-Chair IEEE 802.3             |
44 |                                                       |
45 |At:-          E-Mail: stds-802-3-maint-req@ieee.org          |
46 |                                                       |
47 |               +----- For official 802.3 use -----+     |
48 |               | REV REQ NUMBER: 1300                       |
49 |               | DATE RECEIVED: 7th October 2016           |
50 |               | EDITORIAL/TECHNICAL                       |
51 |               | ACCEPTED/DENIED                           |
52 |               | BALLOT REQ'D      YES/NO                   |
53 |               | COMMENTS:                                   |
54 +-----+
55 | For information about this Revision Request see -           |
56 | http://www.ieee802.org/3/maint/requests/revision\_history.html#REQ1300 |
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